

SOLID-STATE IMAGE SENSOR

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ABSTRACT OF THE DISCLOSURE

10 A solid-state image sensor able to adjust  
sensitivity in a wide range without causing flicker or  
stripes, even when the illumination source is a  
fluorescent lamp, has been disclosed. The solid-state  
image sensor comprises: plural pixels and; a gain  
variable amplifier that amplifies signals sequentially  
read from the plural pixels at a fixed cycle time and the  
15 amplification factor of which can be varied, and the  
storage time of the pixel can be set to an arbitrary  
value, wherein the sensor comprises: a  
brightness/illumination flicker detection section; and a  
control section that varies the storage time step by step  
20 to one of plural flicker-less times in accordance with  
the detected brightness and the illumination flicker as  
well as varying the amplification factor of the amplifier  
in accordance with the detected brightness and the  
storage time.